P.W.G. 17 — 1st and final bill — Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Reference paras 158 & 170

AEE, YSTSD

Division: Yelahanka — Sub division: Yelahanka New Town — SBR No: 5 Date 17-18

Bills received No — Date 31 YNK-DBR No. Date 15.11.17 — Sub-divisional / Divisional — Cash book vr No — Date: 30-6-2017

Scheduled Docket No — Head of account 3110

Name of work(as per sanctioned estimate) -

Work code:003-17-000065

NAME OF WORK : **Providing drinking water works in ward no 03**

Name of contractor and full address -

Technical Manager (west)

Reference to agreement No - 67 — Estimated cost :13.00 lakhs — W.O dated 67/16-17, dt 16/06/2017

No 4653 Certified that the measurments were taken by me on 30/6/17 and recorded on pages 465233-465240 to of measurment book and the work is satisfactorily executed by the contractor.

Signature of contractor

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Engineer

Certified that the measurments were taken by me on 30/6/17 and recorded correct. The work is satisfactorily executed
Certified that the quantities & rates as shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon A formal agreement signed and executed by the contractor is recorded in divisional office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬಾಪಿಕಿಗಾ.
Assistant Executive Engineer
Yelahanka Sub Division
BBMP

II MEMORANDUM OF PAYMENT

ಐ.ಐ.ಎಂ.ಕಿ. ಬೆಂಗಳೂರು-105

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%		
3) Balance---	1st & Final	1295935:00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S D No----------Amount adjusted towards cash advance recovery of		
	FSD	84235:00
	IT	25918:00
	LC	12959:00
	CBF	1295:00
b) Cost of payments/stores or other materials supplied now made recovery of		
Amount paid on this bill by cheque/cash		
Total	T.D.	124407:00
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor	Net	1171528:00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Recient Stamp

Audited & Admitted for Rs. 1295935:00

1171528:00
124408:00

Dated signature of contractor
paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment — Date

Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc complete. The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage. SERDED Approved Rate2015-16. sl.no 23	No			2.00	70600.00	141200.00	2.00	141200.00
2	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. 50 mm dia including Collar Heavy Class	Rmtr			582.00	544.32	316794.24	582.00	316794.24
3	GI Collers	No.			100.00	100.00	10000.00	100.00	10000.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
4	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum-control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 15HP to 30 HP Star Delta Starter SERDED Rate	No.			30.00	10000.00	300000.00	30.00	300000.00
5	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09	No			3.00	3000.00	9000.00	3.00	9000.00
6	Providing and fixing Clamp set PRED SR 2012-13 Page Nio SL.No	No.			2.00	600.00	1200.00	2.00	1200.00

No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
7	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 67/ I No. 10(d) 4 core 16 Sqmm KPWD Electrical SR 2007-08	Mtr			240.00	140.40	33696.00	240.00	33696.00
8	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P-68 /I.No.11a) KPWD Electrical SR 2007-08	Mtr			240.00	10.80	2592.00	240.00	2592.00
9	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 P No. 68/ I. No. 12-d KPWD Electrical SR 2007-08	Mtr			200.00	85.00	17000.00	200.00	17000.00
10	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 69/ I No.15-A KPWD Electrical SR 2007-08	Mtr			60.00	345.00	20700.00	60.00	20700.00
11	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 69/ I No. 16-b KPWD Electrical SR 2007-08	No.			10.00	260.00	2600.00	10.00	2600.00

No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
12	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR 1999-2000, P-66, I.No.7) KPWD Electrical SR 2007-08	No			10.00	2727.00	27270.00	10.00	27270.00
13	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13-7.1-4 P.No. 90/1 No. 13.55 PWD SR 2007-08	No			3.00	1585.76	4757.28	3.00	4757.28
14	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 93/ I. No. 13.81.3 PWD SR 2007-08	No			3.00	227.90	683.70	3.00	683.70
15	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete	No			12.00	104.30	1251.60	12.00	1251.60

No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
16	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No			20.00	211.00	4220.00	20.00	4220.00
17	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No			20.00	1547.00	30940.00	20.00	30940.00
18	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.35 P.No. 39, I. No. 39B KPWD Electrical SR	Sq. Cm			514800.00	0.33	169884.00	514800.00	169884.00
19	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 30/I No 3b KPWD Electrical SR 2007-08	No.			20.00	234.00	4680.00	20.00	4680.00

No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
20	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-17	Cum			405.00	40.28	16313.40	405.00	16313.40
21	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.3 item No.4.2 PRE SR2008-09.	Rmtr			750.00	123.00	92250.00	750.00	92250.00
22	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, No. 6/ Item No. 2.11/ PWD SR 2016-17	Cum			405.00	64.66	26187.30	405.00	26187.30

	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
23	KSRB 13.6.3-1 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 (P.89/I.13.37 PWD SR - 2016-17)	Each			12.00	2175.12 ~~2216.16~~	26100 ~~26593.92~~	12.00	26100 ~~26593.92~~
					TOTAL		~~1192062.26~~	1188932	~~1192062.26~~
					KRIDL 8%		~~95364.98~~	95114	~~95364.98~~
					Labour cess 1%		~~11920.62~~	11889	~~11920.62~~
					GRAND TOTAL		~~1299347.86~~	1295935	~~1299347.86~~

Asst. Engineer

Asst. Executive Engineer